

DV-1 SDI-Analog Converter
DV-2 Analog-SDI Converter

Manual Version 1.01



BURST ELECTRONICS INC

ALBUQUERQUE, NM 87109 USA

(505) 898-1455 VOICE

(505) 890-8926 Tech Support

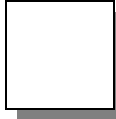
(505) 898-0159 FAX

www.burstelectronics.com



Made in USA

Hardware, software and manual copyright by Burst Electronics. All rights reserved. No part of this publication may be reproduced or distributed in any form or by any means without the written permission of Burst Electronics.



**DV-1 Serial Digital to Analog Converter
 DV-2 Analog to Serial Digital Converter**

Congratulations on your purchase from Burst Electronics Inc. This manual will cover the operation of the DV-1 Serial Digital to Analog Converter and the DV-2 Analog to Serial Digital Converter.

DV-1

The Model DV-1 converts Serial Digital into Analog Video. Features include jumper selectable for either Composite or S-Video Output, as well as NTSC, PAL-B (Europe), or PAL-M (Brazil). The DV-1 provides 4:2:2 270 Mbit SMPTE 259M, and 10-bit decoding. The DV-1 can also be used as a Full Field Colorbar Generator.



DIP Switch Settings;

Video Standard Settings

- #1 Down, #2 Down = NTSC
- #1 Up, #2 Down = PAL-B (Europe)
- #1 Down, #2 Up = PAL-M (Brazil)

Composite, S-Video, Colorbar Generator Settings

- #3 Down = Pedestal On (NTSC Only)
- #3 Up = Pedestal Off
- #4 Down = Composite
- #4 Up = S-Video
- #5 Down = SDI - Analog (Normal Mode)
- #5 Up = Full Field Colorbars (Serial Digital input required)

DV-2

The Model DV-2 converts Analog Video into Serial Digital Video. Features include jumper selectable for Composite or S-Video input, 7.5 IRE on/off, and Comb Filter on/off. The DV-2 will accept PAL, SECAM, and NTSC. The SDI outputs are 4:2:2 270 Mbit SMPTE 259M 270Mhz., 8-bit encoding.



DIP Switch Settings:

#1 Down	= Composite
#1 Up	= S-Video
#2	= Not Used
#3 Down	= 7.5 IRE Setup On
#3 Up	= 7.5 IRE Setup Off
#4 Down	= Comb Filter Off
#4 Up	= Comb Filter On

Notes Regarding Switches:

DV-2 Switch #3 should be set Off if the analog video coming in already has 7.5 IRE setup. If this switch is turned on, then the DV-2 will add another 7.5 IRE to your setup.

Specifications

DV-1

Input: SDI, NTSC or PAL 4:2:2
270Mbit SMPTE 259M

Outputs: Selectable for Analog
Composite or S-Video

Output: Adjustable -6dB to +3dB

Power: 5V 400mA Max (2 Watts)

DV-2

Input: Selectable for Analog
Composite or S-Video

Outputs: SDI, 4:2:2 270Mbit
SMPTE 259M

Power: 5V 400mA Max (2 Watts)

Video Connectors: BNC

Power: 100 - 240 VAC 50/60Hz
+5Vdc (center positive)
1A Max 5 Watts Max

Dimensions: 2.8W x 0.8H x 4.5D

Warranty: One Year Parts and Labor